

WHAT IS CLAIMED IS:

1. An ink jet recording method using a first liquid and a second liquid wherein at least one of the liquids contains a colorant, the method comprising: Providing the first liquid on a recording medium and providing the second liquid so as to be in contact with a region where the first liquid has been provided on the recording medium, to thereby form an image, wherein;

a contact angle of the second liquid with respect to plain paper is less than 85° and a contact angle of the second liquid with respect to region where the first liquid is provided on plain paper is 60° or more.

2. An ink jet recording method according to claim 1, wherein the first liquid contains at least one additive selected from the group consisting of a silicone type compound and a fluorine type compound.

3. An ink jet recording method according to claim 2, wherein the silicone type compound is a silicone type surfactant and the fluorine type compound is a fluorine type surfactant.

4. An ink jet recording method according to claim 2, wherein a weight average molecular weight of the silicone type compound or fluorine type compound is 3,000 or more.

5. An ink jet recording method according to claim 2, wherein an acid value of the silicone type compound or fluorine

type compound is 30 mg KOH/g or more and 250 mg KOH/g or less.

6. An ink jet recording method according to claim 1, wherein the first liquid contains at least a water-soluble solvent, a surfactant and water, and the second liquid contains at least a colorant, a water-soluble solvent and water.

7. An ink jet recording method according to claim 6, wherein the first liquid contains a colorant.

8. An ink jet recording method according to claim 7, wherein the first liquid is color ink and the second liquid is black ink.

9. An ink jet recording method according to claim 8, wherein the colorant contained in the first liquid is a dye.

10. An ink jet recording method according to claim 6, wherein the colorant contained in the second liquid is a pigment, and the pigment is selected from the group consisting of a pigment dispersible in the second liquid by combining with a polymer dispersant, a self-dispersible pigment and a pigment coated with a resin.

11. An ink jet recording method according to claim 1, wherein a number of coarse particles having a particle diameter of 0.5 μm or more which are contained in a mixed solution prepared by mixing the first and second liquids is 100,000/ μL or less.

12. An ink jet recording method according to claim 1, wherein a surface tension of the first liquid is 15 mN/m or more and 45 mN/m or less.

13. An ink jet recording method according to claim 1, wherein a surface tension of the second liquid is 15 mN/m or more and 60 mN/m or less.

14. An ink jet recording method according to claim 1, wherein the viscosity of each of the first and second liquids is 1.2 mPa·s or more and 6.0 mPa·s or less.

15. An ink jet recording method according to claim 1, wherein the first liquid is provided on the recording medium by utilizing any one system selected from the group consisting of a thermal ink jet system and a piezo ink jet system, and the second liquid is provided so as to be in contact with the region where the first liquid has been provided on the recording medium to thereby form an image.

16. An ink jet recording method according to claim 6, wherein the second liquid is provided on the recording medium in a liquid droplet state, and a weight of one droplet of the second liquid is 25 ng or less.

17. An ink jet recording device comprising: a recording head provided with two or more nozzles respectively jetting two or more liquids respectively onto a surface of a recording medium, the device using a first liquid and a second liquid as the two or more liquids, wherein:

at least one of the first and second liquids contains a colorant;

an image is formed at least by jetting the first liquid

from the recording head onto the recording medium and jetting the second liquid from the recording head so as to be in contact with a region where the first liquid has been provided on the recording medium;

a contact angle of the second liquid with respect to plain paper is less than 85°; and

a contact angle of the second liquid with respect to the region where the first liquid is provided on the plain paper is 60° or more.

18. An ink jet recording device according to claim 17, wherein the first liquid contains at least a water-soluble solvent, a surfactant and water, and the second liquid contains at least a colorant, a water-soluble solvent and water.

19. An ink jet recording device according to claim 17, wherein the first liquid contains at least one additive selected from the group consisting of a silicone type compound and a fluorine type compound.

20. An ink jet recording device according to claim 17, wherein a number of coarse particles having a particle diameter of 0.5 μm or more which are contained in a mixed solution prepared by mixing the first and second liquids is 100,000/ μL or less.